

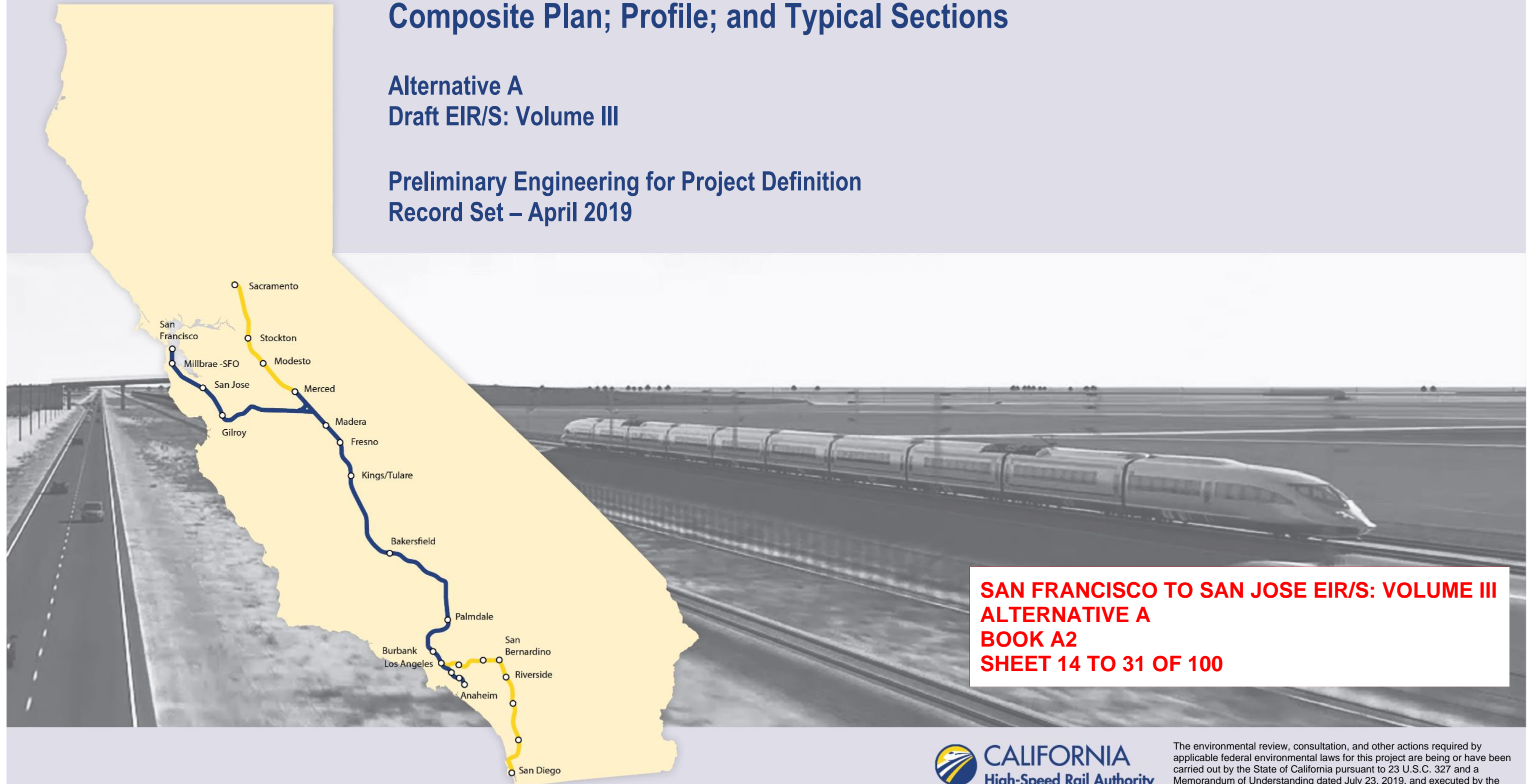
California High-Speed Rail Authority

San Francisco to San Jose Project Section

Composite Plan; Profile; and Typical Sections

Alternative A
Draft EIR/S: Volume III

Preliminary Engineering for Project Definition
Record Set – April 2019



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 14 TO 31 OF 100**

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK A2	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
BOOK A2	B	GE-A1102		HARBOR BLVD TO SCOTT BLVD	INDEX OF DRAWINGS	SHEET 2 OF 5	
BOOK A2	C	GE-D1101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A2	D	GE-D1102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A2	E	GE-D1103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A2	F	GE-D1104	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	

COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK A2	14	TT-D0114	SAN MATEO TO PALO ALTO	HARBOR BLVD / CALTRAIN SAN CARLOS STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1280+00 TO B1370+00
BOOK A2	15	TT-D0115	SAN MATEO TO PALO ALTO	HOWARD AVE / WHIPPLE AVE / CALTRAIN REDWOOD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1370+00 TO B1465+00
BOOK A2	16	TT-D0116	SAN MATEO TO PALO ALTO	HWY 84 / 5TH AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1465+00 TO B1555+00
BOOK A2	17	TT-D0117	SAN MATEO TO PALO ALTO	CALTRAIN ATHERTON STATION / CALTRAIN MENLO PARK	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1555+00 TO B1645+00
BOOK A2	18	TT-D0118	SAN MATEO TO PALO ALTO	CALTRAIN PALO ALTO STATION / CALTRAIN STANFORD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1645+00 TO B1735+00
BOOK A2	19	TT-D0119	SAN MATEO TO PALO ALTO	CALTRAIN CALIFORNIA AVE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1735+00 TO B1825+00
BOOK A2	20	TT-D0120	SAN MATEO TO PALO ALTO/ MOUNTAIN VIEW TO SANTA CLARA	E. MEADOW DR / CALTRAIN SAN ANTONIO STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1825+00 TO B1915+00
BOOK A2	21	TT-D0121	MOUNTAIN VIEW TO SANTA CLARA	RENGSTORFF AVE / SHORELINE BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1915+00 TO B2005+00
BOOK A2	22	TT-D0122	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN MOUNTAIN VIEW STATION / HWY 85 / HWY 237	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2005+00 TO B2095+00
BOOK A2	23	TT-D0123	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN SUNNYVALE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2095+00 TO B2185+00
BOOK A2	24	TT-D0124	MOUNTAIN VIEW TO SANTA CLARA	FAIR OAKS AVE / CALTRAIN LAWRENCE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2185+00 TO B2275+00
BOOK A2	25	TT-D0125	MOUNTAIN VIEW TO SANTA CLARA	CALABAZAS CREEK / BOWERS AVE / SAN TOMAS EXPY	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2275+00 TO B2365+00
BOOK A2	26	TT-D0126	MOUNTAIN VIEW TO SANTA CLARA	SCOTT BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2365+00 TO B2375+00
BOOK A2	27	TT-D4001	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	SCOTT BLVD TO BENTON ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2782+86 TO B2952+50
BOOK A2	28	TT-D4002	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	NEWHALL ST TO EMORY ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2952+50 TO B3029+40
BOOK A2	29	TT-D4003	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3029+40 TO B3112+50
BOOK A2	30	TT-D4004	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3112+50 TO B3161+50
BOOK A2	31	TT-D4005	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	WILLOW ST TO CURTNER AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3161+50 TO B3249+50

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET B

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

RECORD PEPD SUBMITTAL

APRIL 11, 2019

NOT FOR CONSTRUCTION

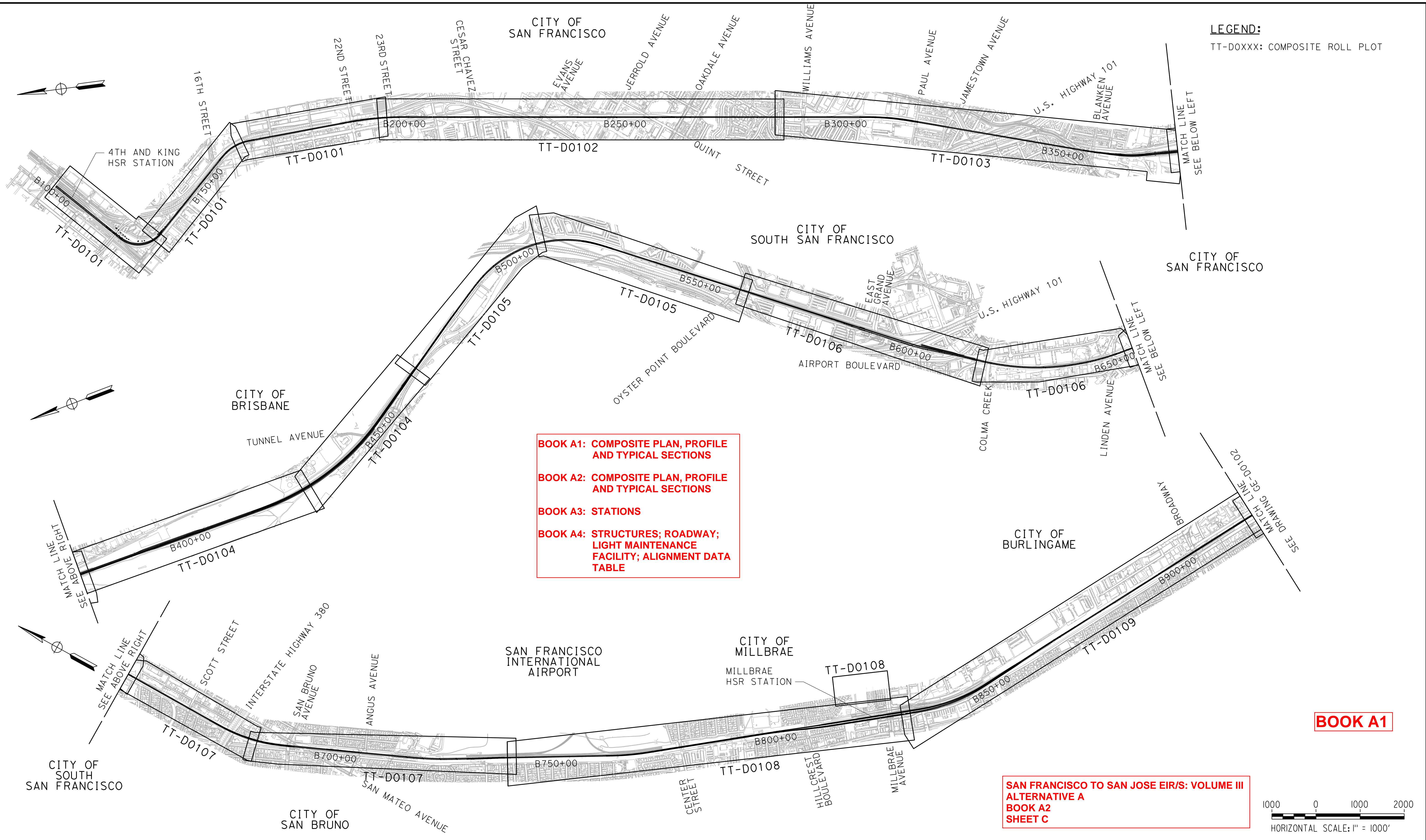
HNTB 1111 Broadway
9th Floor
Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
 INDEX OF DRAWINGS
 SHEET 2 OF 5

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A1102
SCALE	NONE
SHEET NO.	



BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

BOOK A3: STATIONS

BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLE

BOOK A1

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET C**



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CONSTRUCTION**

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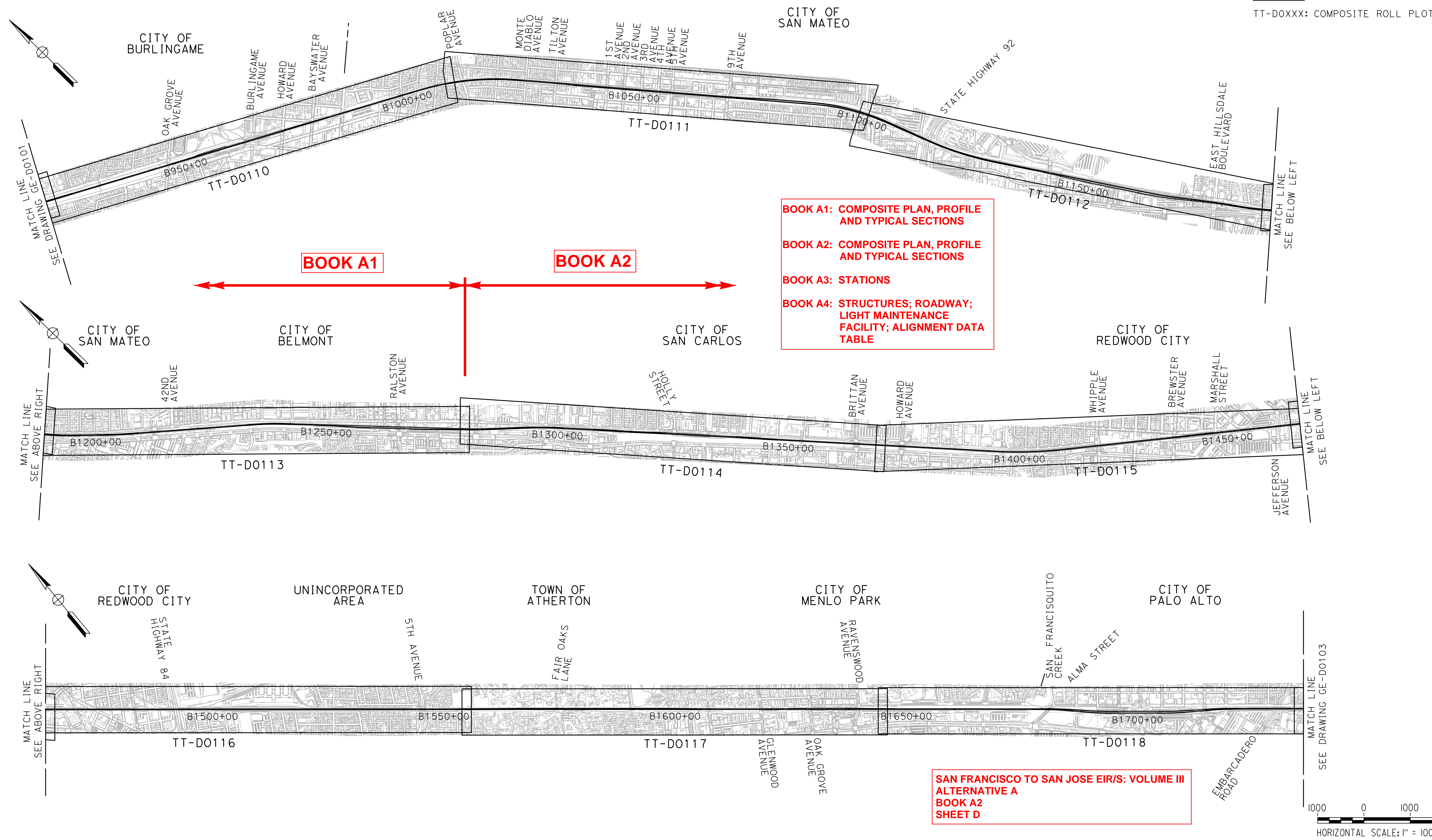
1111 Broadway
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Oakland, CA 94607

CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**

ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 1 OF 3

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D1101
SCALE	AS SHOWN
SHEET NO.	



BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK A3: STATIONS
BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLE

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 ALTERNATIVE A
 BOOK A2
 SHEET D**

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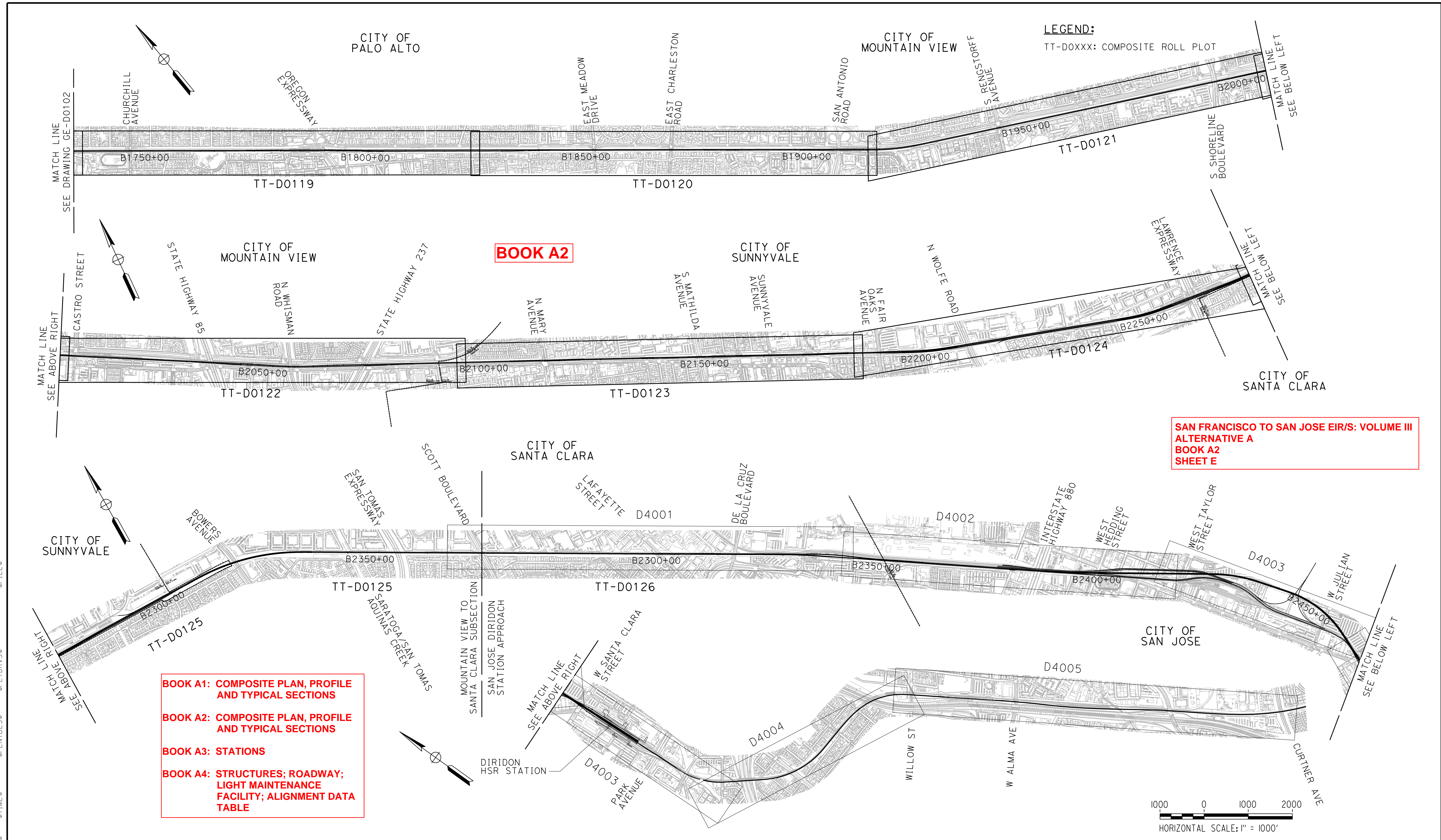
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 Oakland, CA 94607



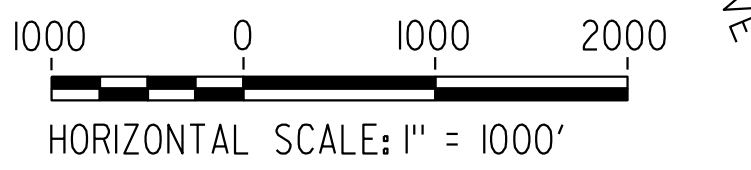
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN FRANCISCO TO SAN JOSE**
 ALTERNATIVE A
 KEY MAP
 COMPOSITE PLAN
 SHEET 2 OF 3

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D1102
SCALE	AS SHOWN
SHEET NO.	



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET E**

BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK A3: STATIONS
BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLE



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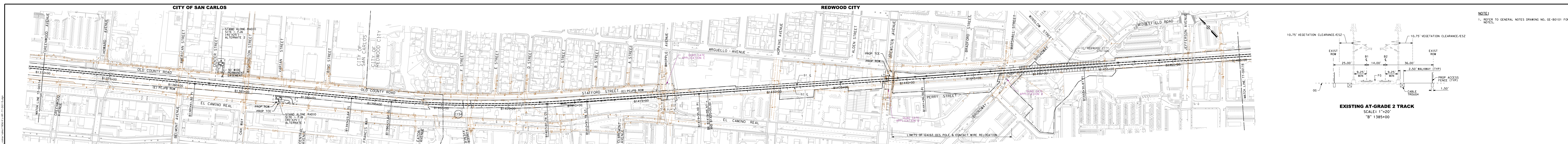
HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA
High-Speed Rail Authority

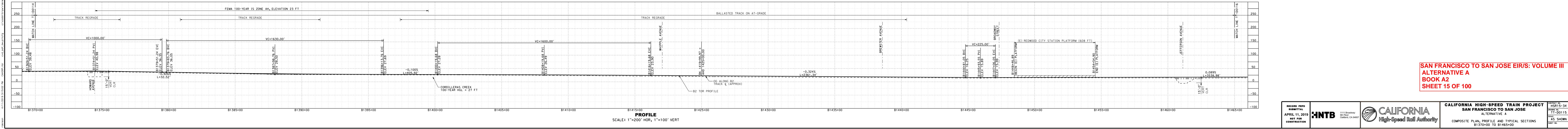
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 3 OF 3

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D1103
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SHEET NO.	

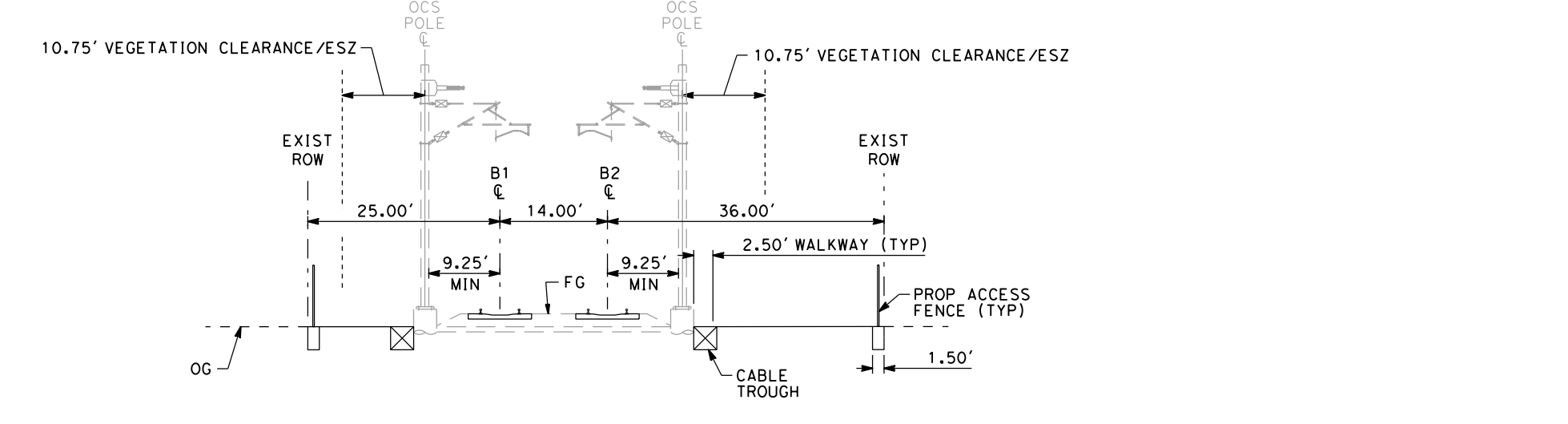
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PLAN
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PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

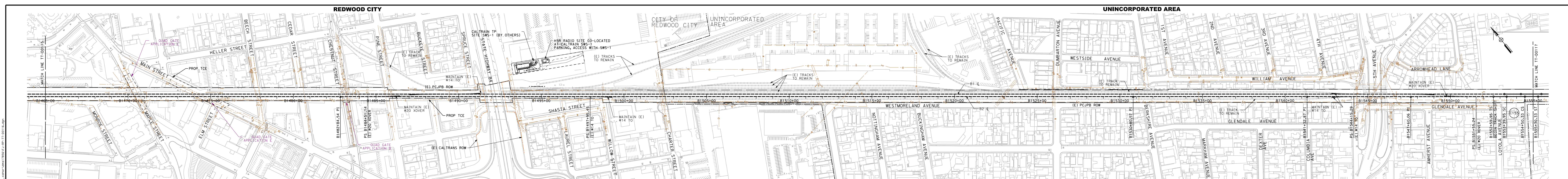


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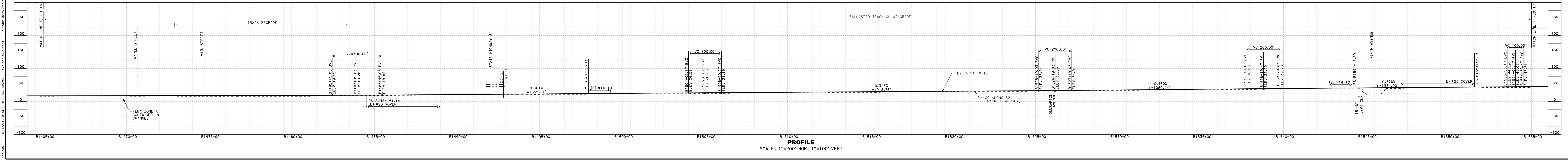
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SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 15 OF 100

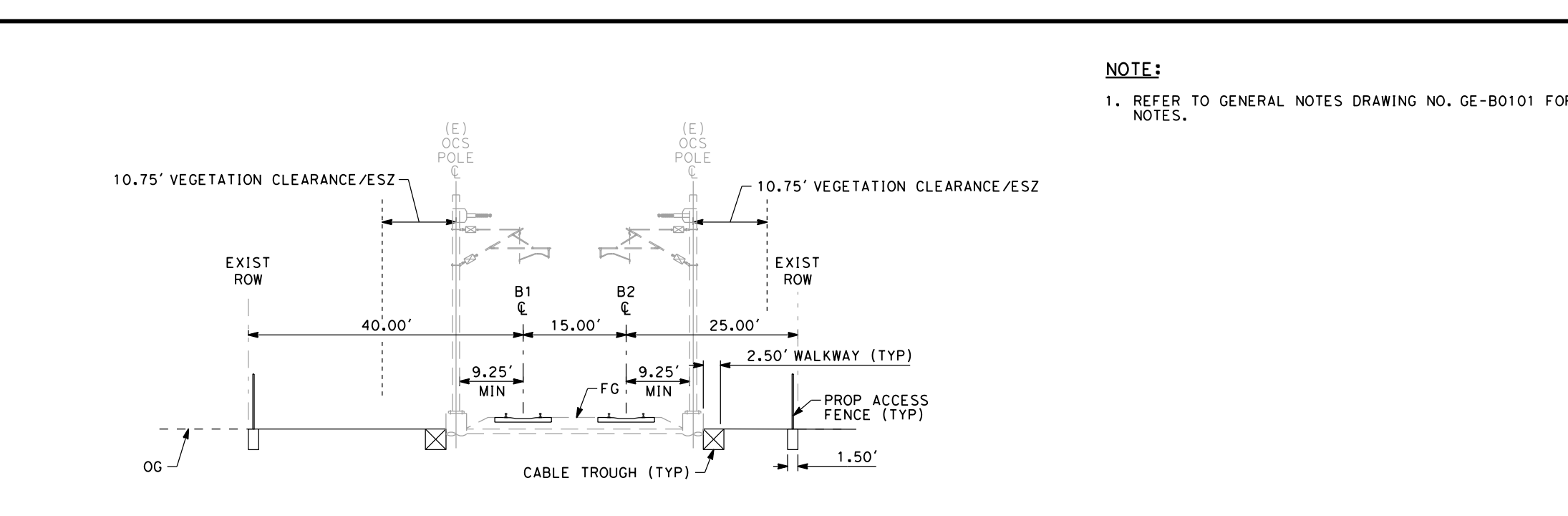
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PLAN
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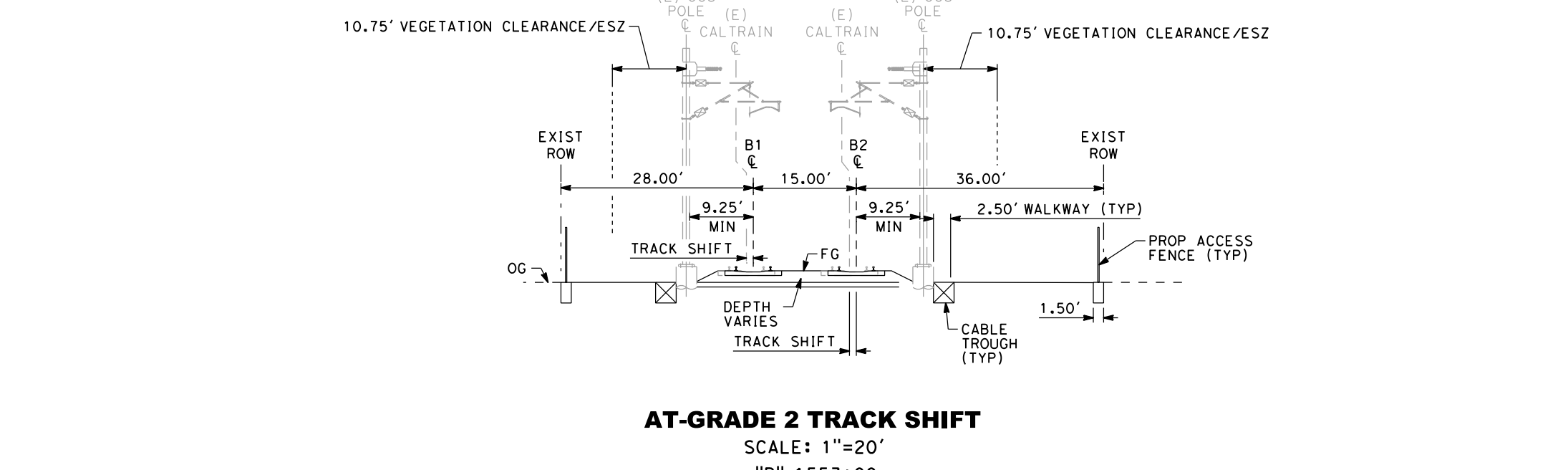
PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT



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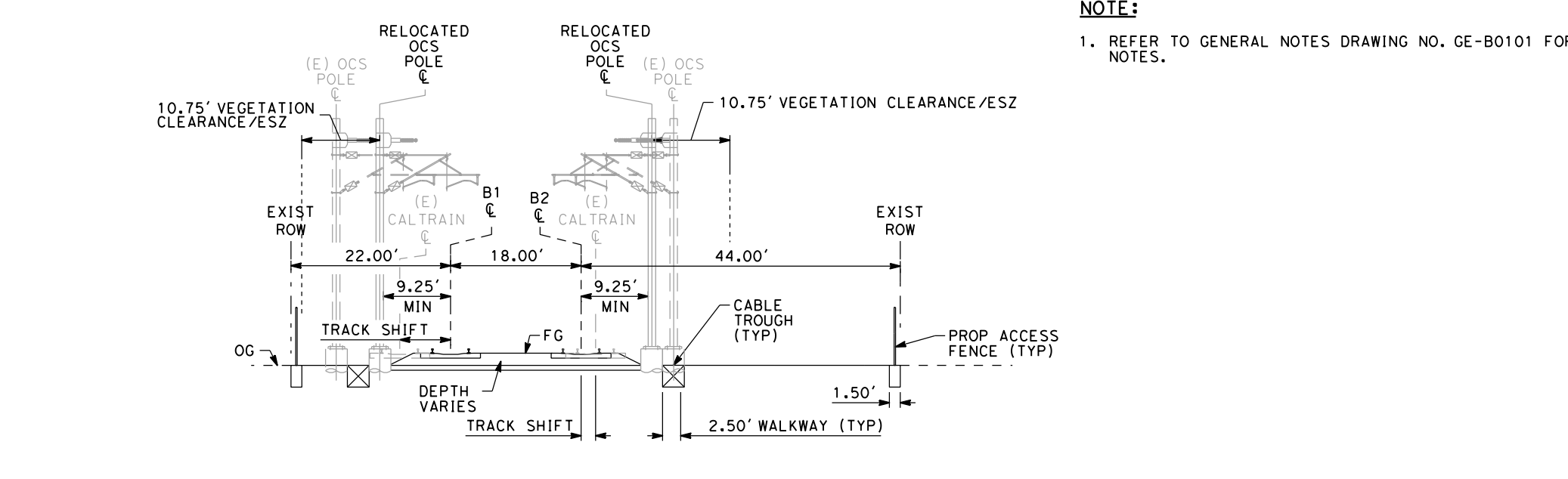
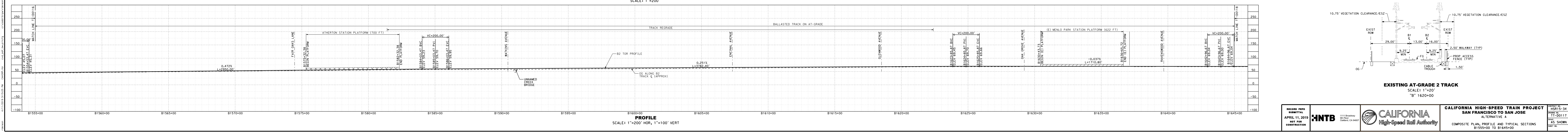
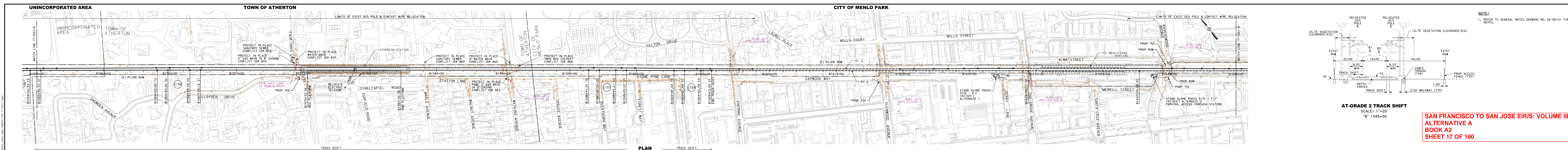
**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 16 OF 100**

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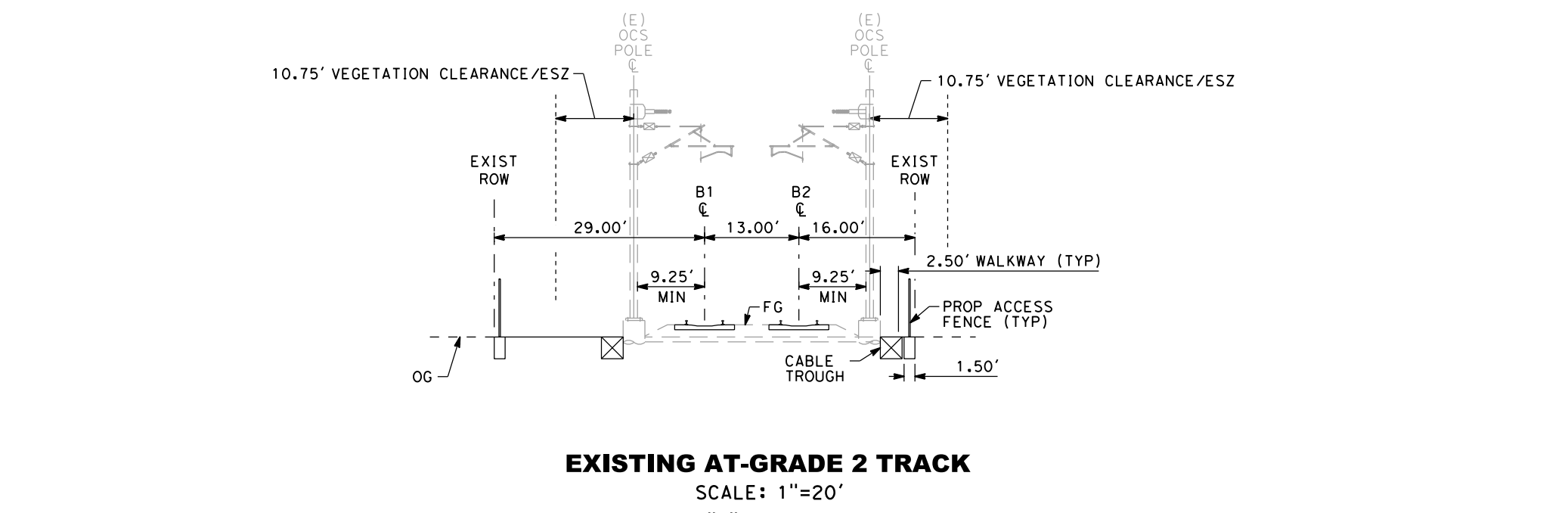
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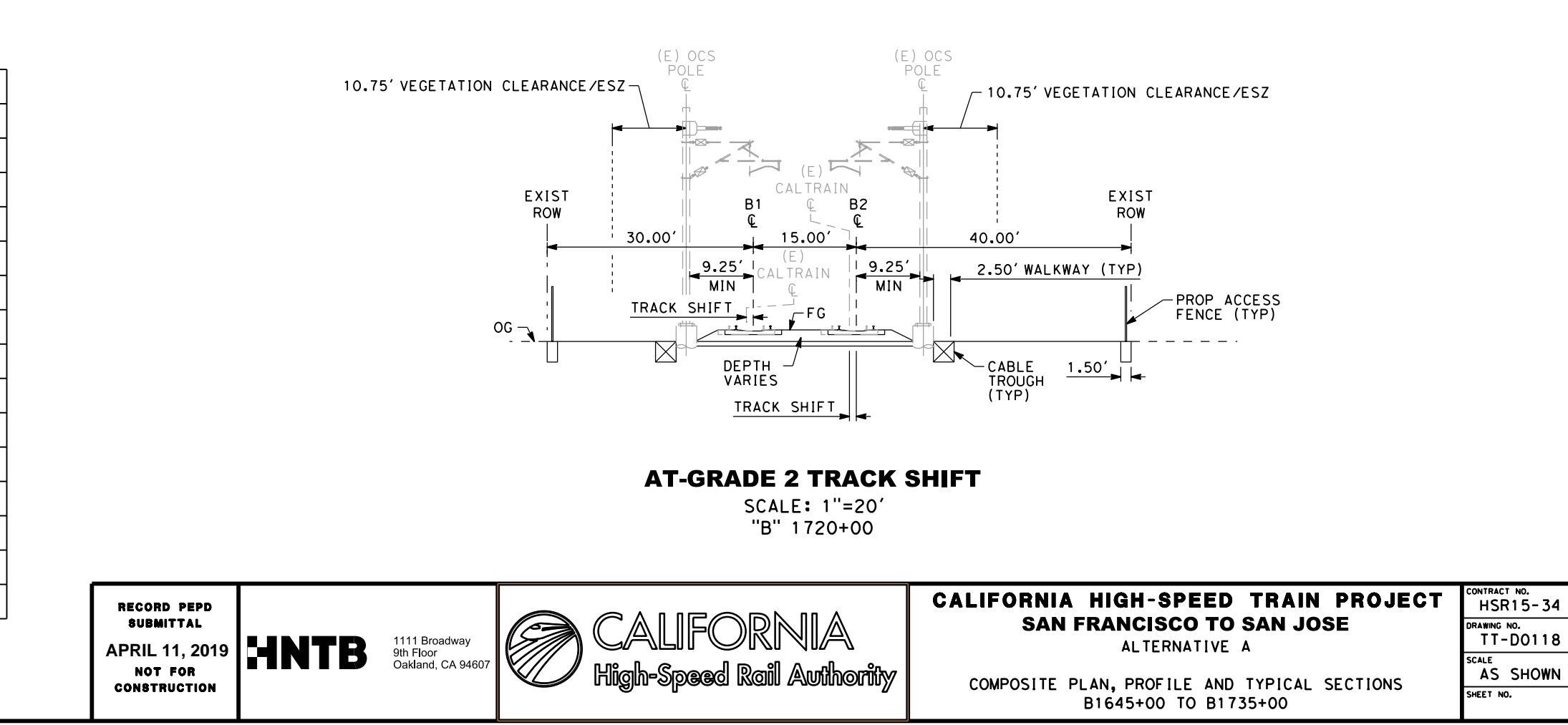
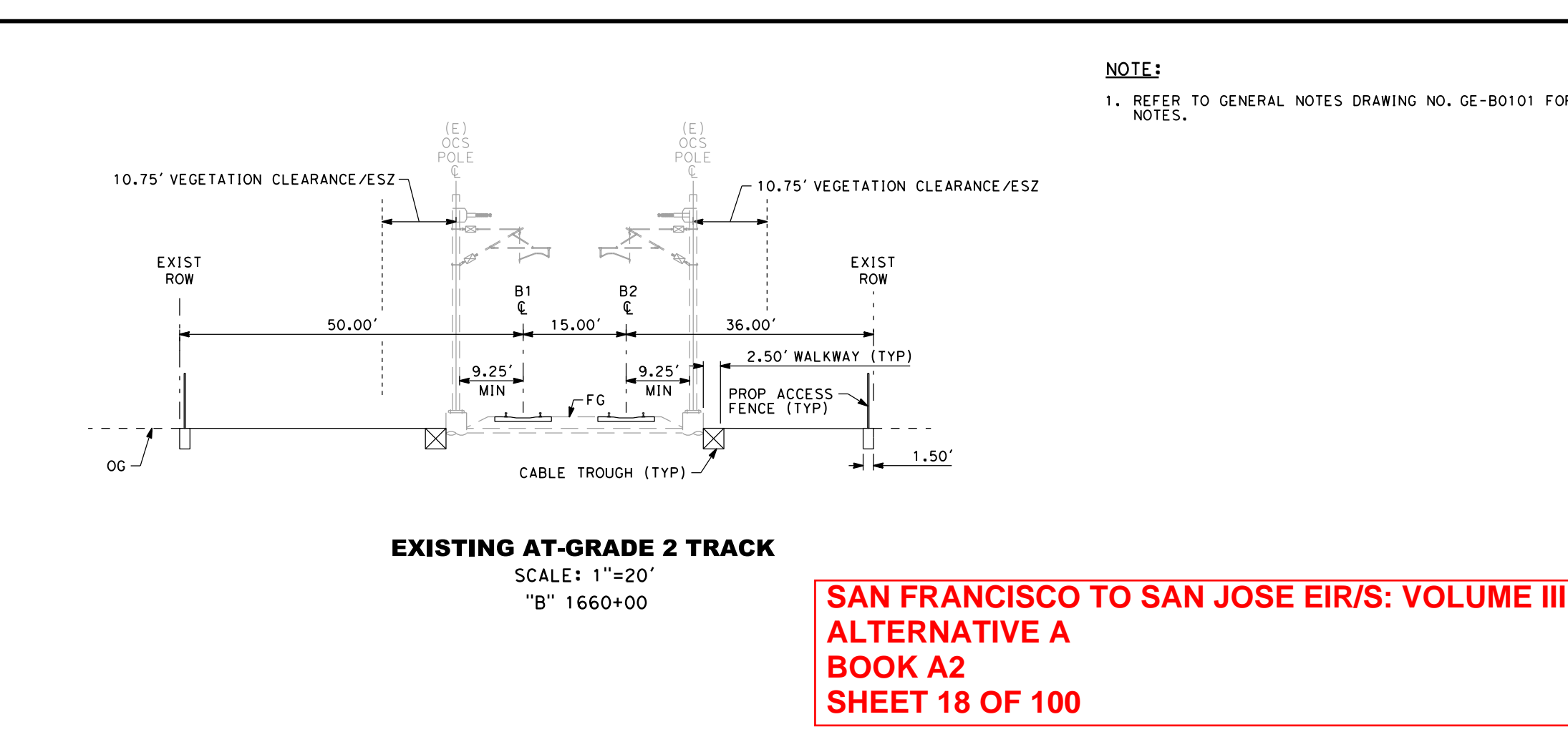
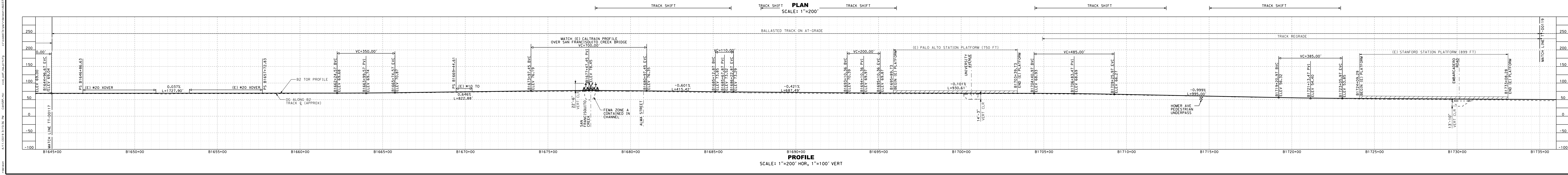
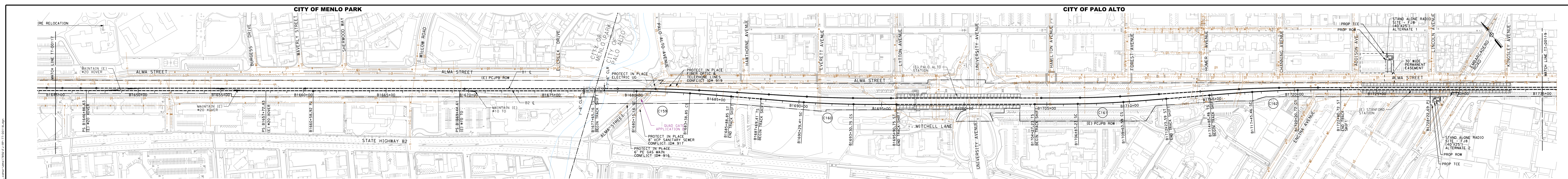
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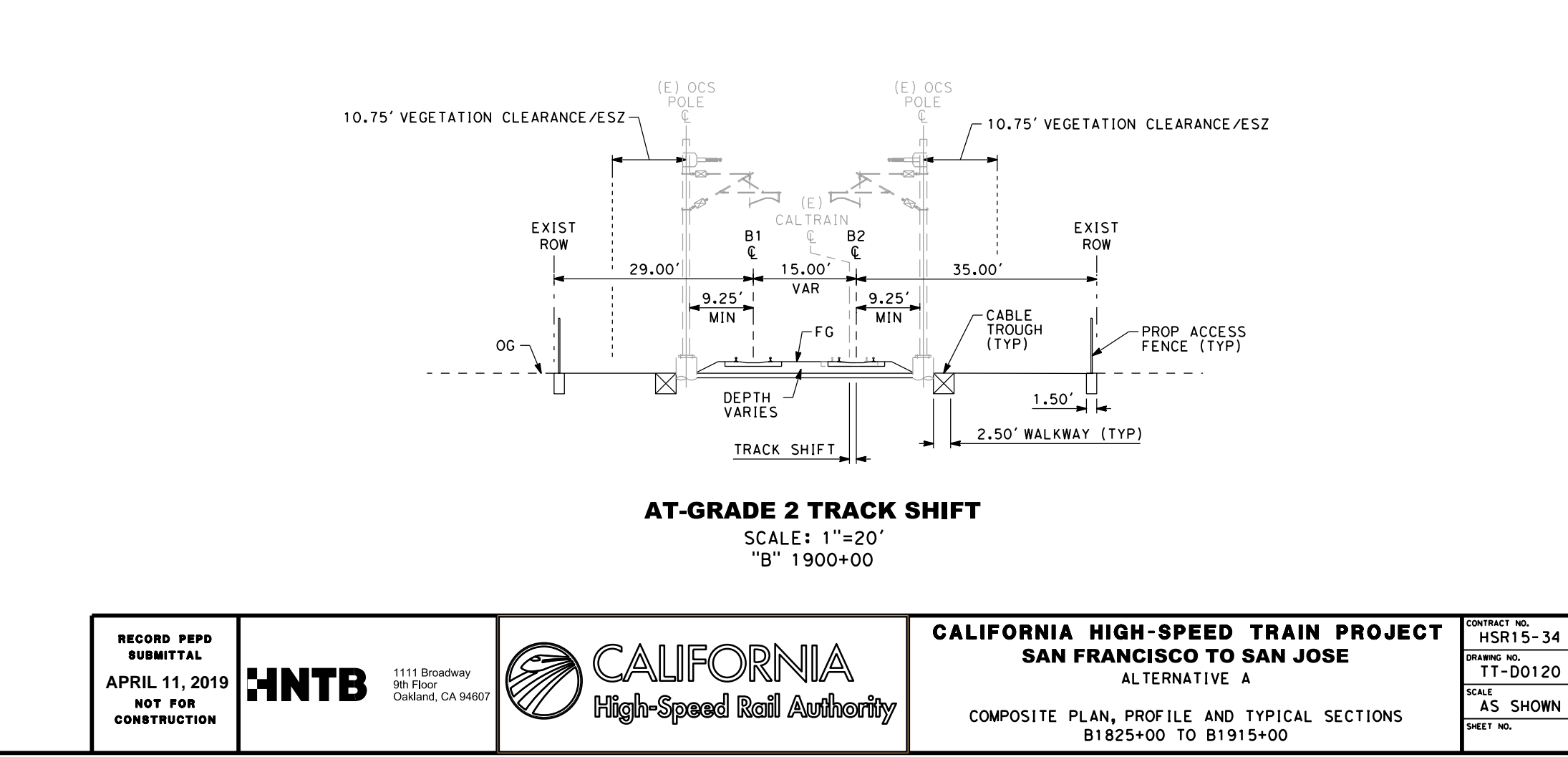
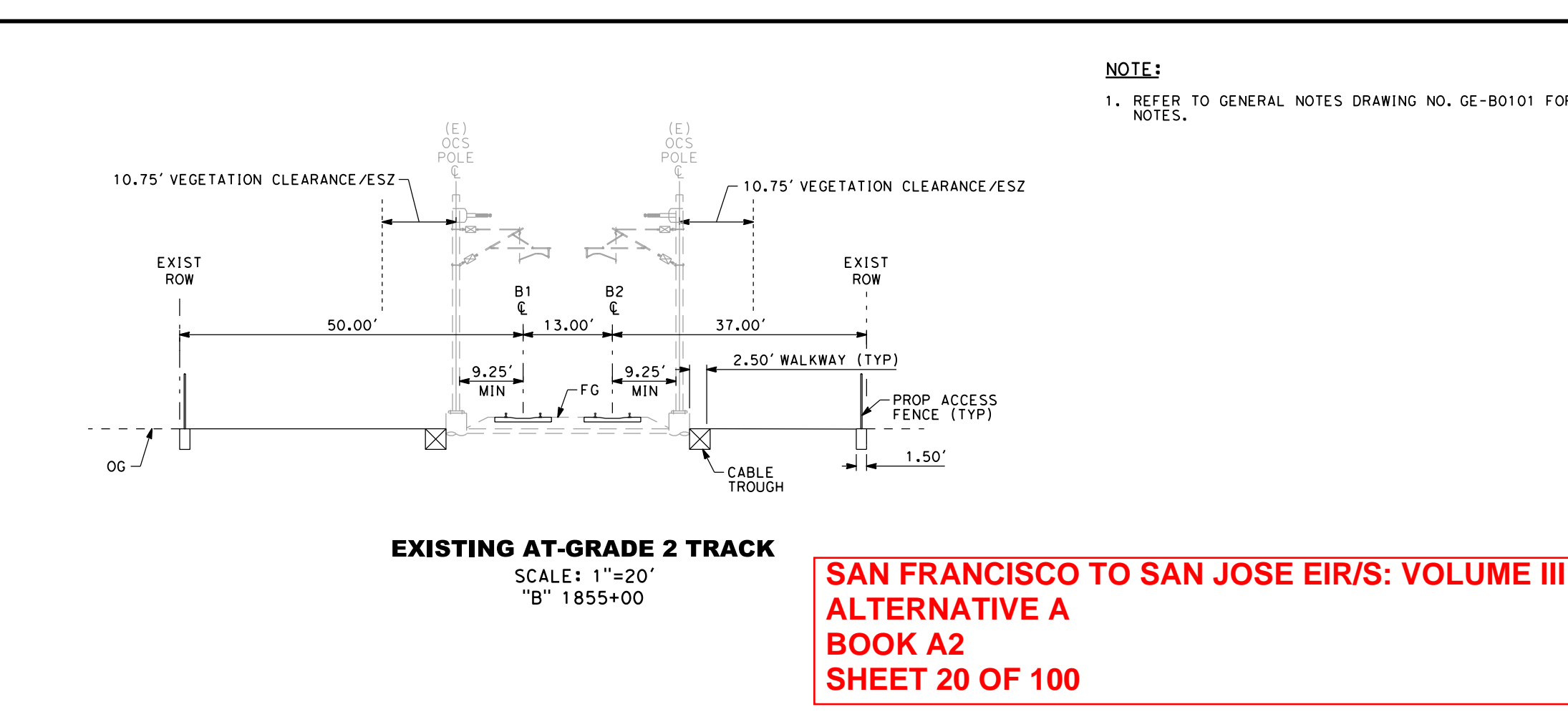
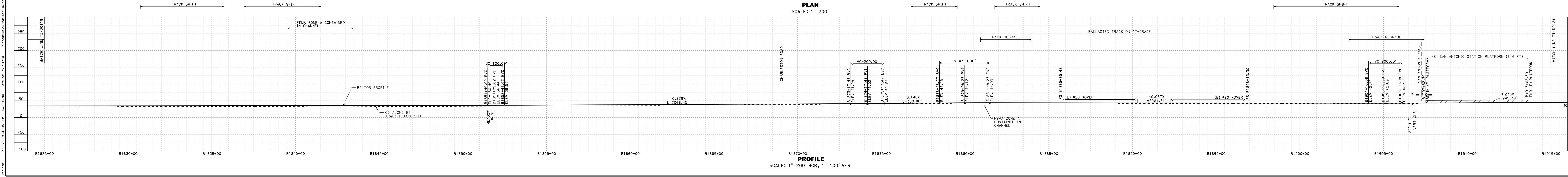
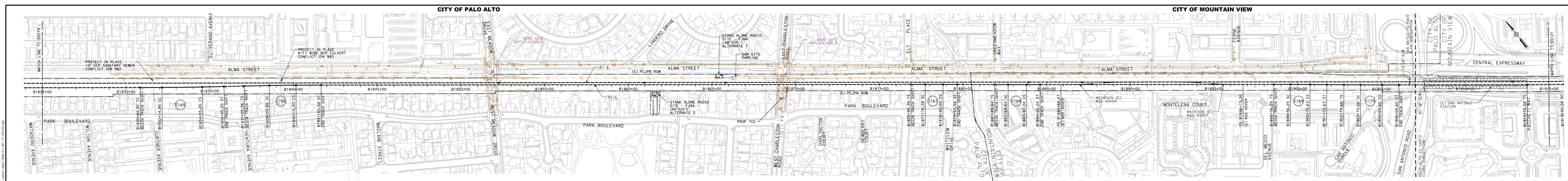
SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 17 OF 100



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 "B" 1620+00

NOTE:
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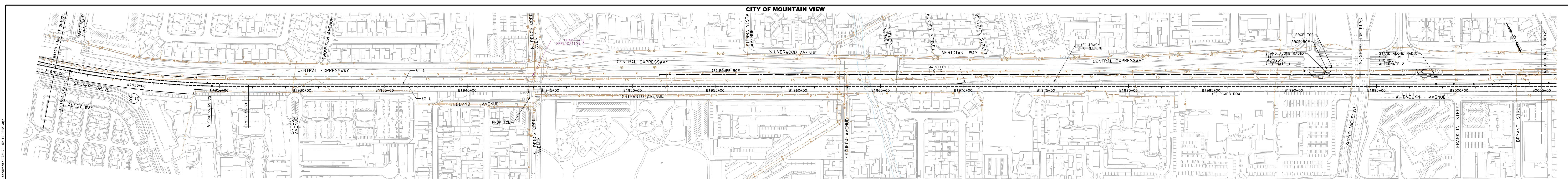


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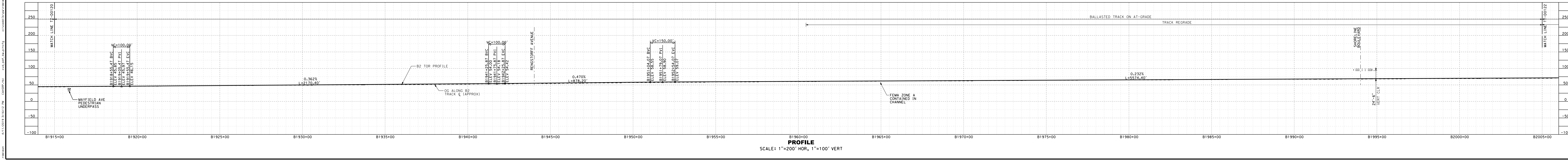
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ALTERNATIVE A
BOOK A2
SHEET 20 OF 100

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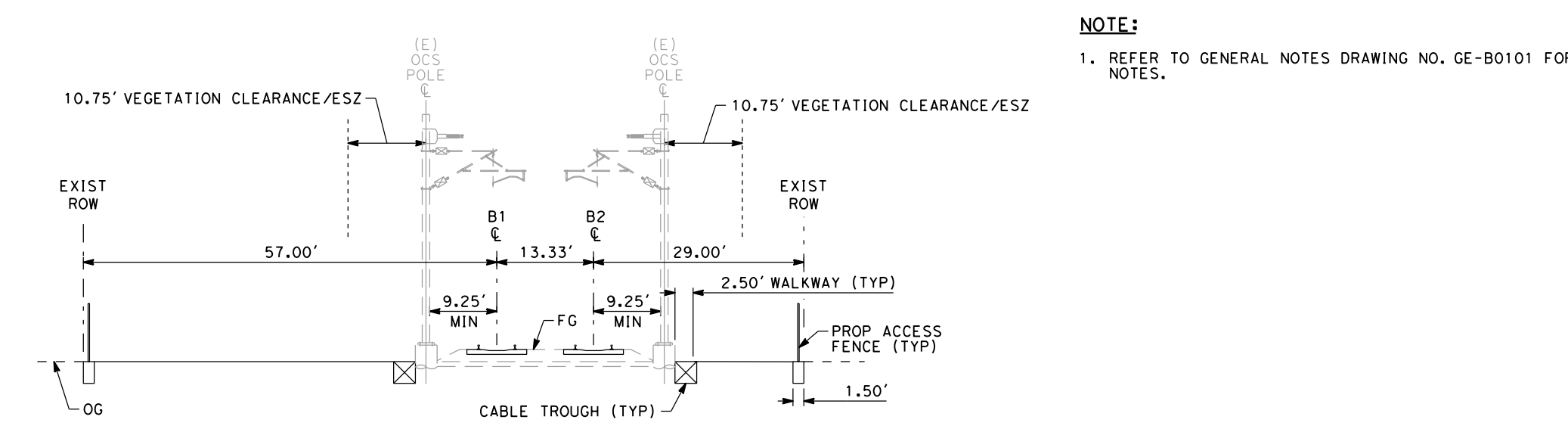
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PLAN
SCALE: 1"=200'



PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

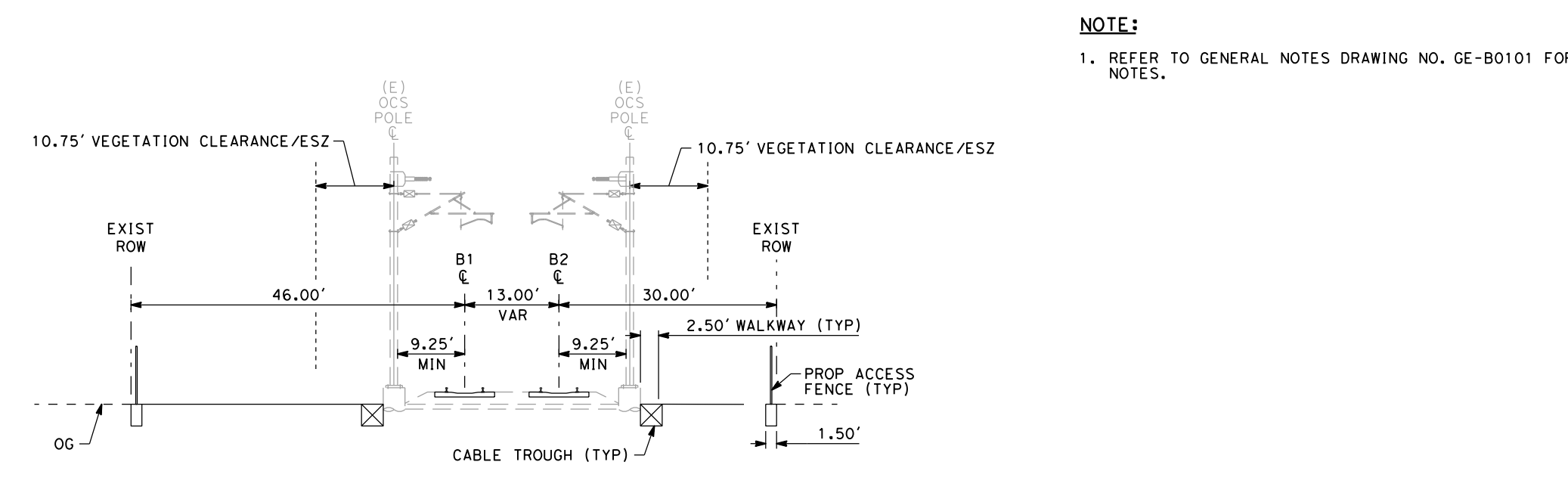
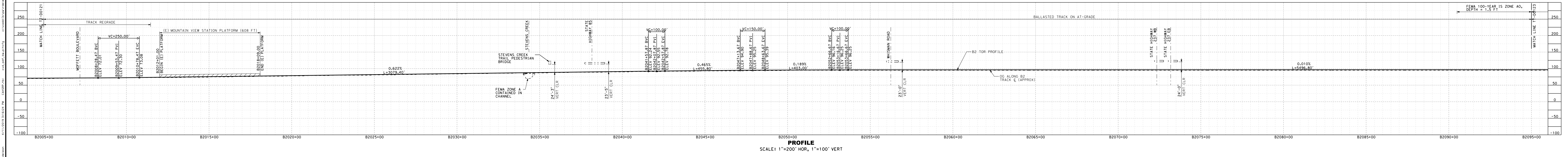
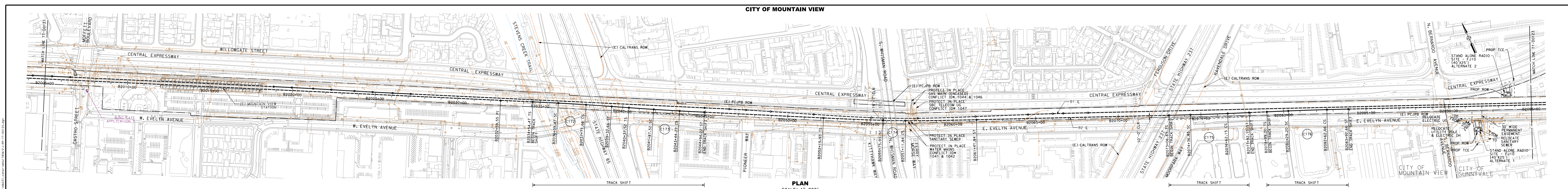


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NOTE:
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SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 21 OF 100

RECORD PERM SUBMITTAL APRIL 11, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE A		CONTRACT NO. HSR15-34
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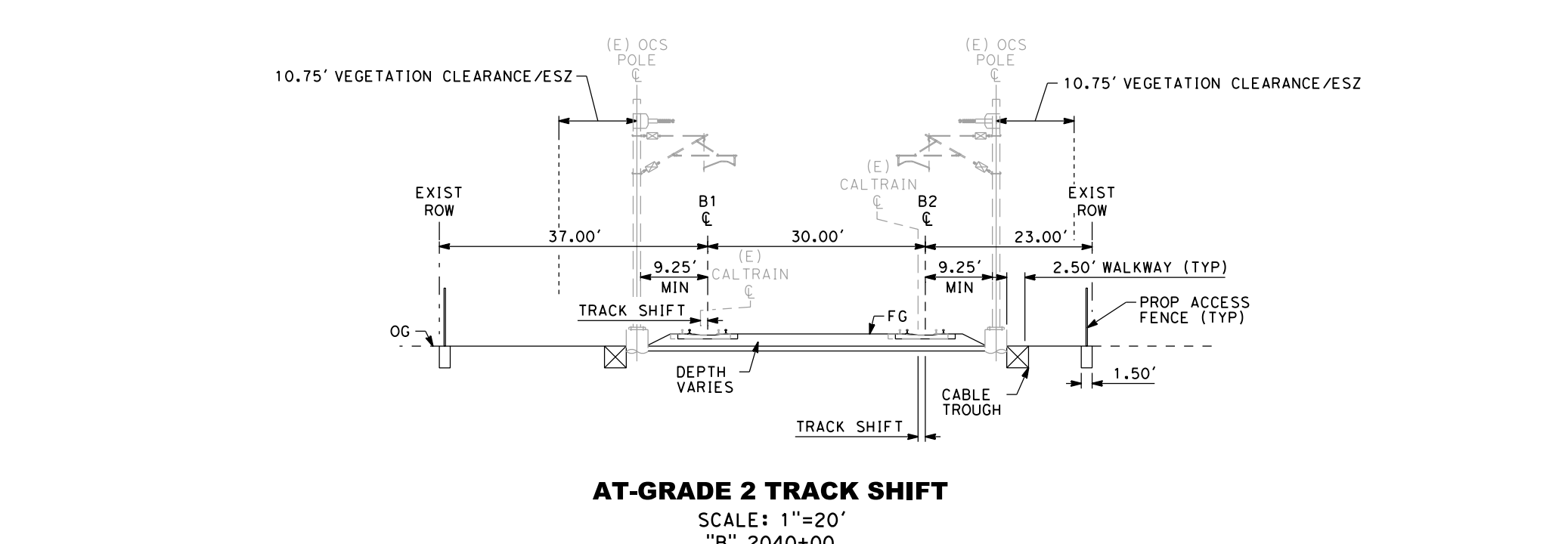


SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III

ALTERNATIVE A

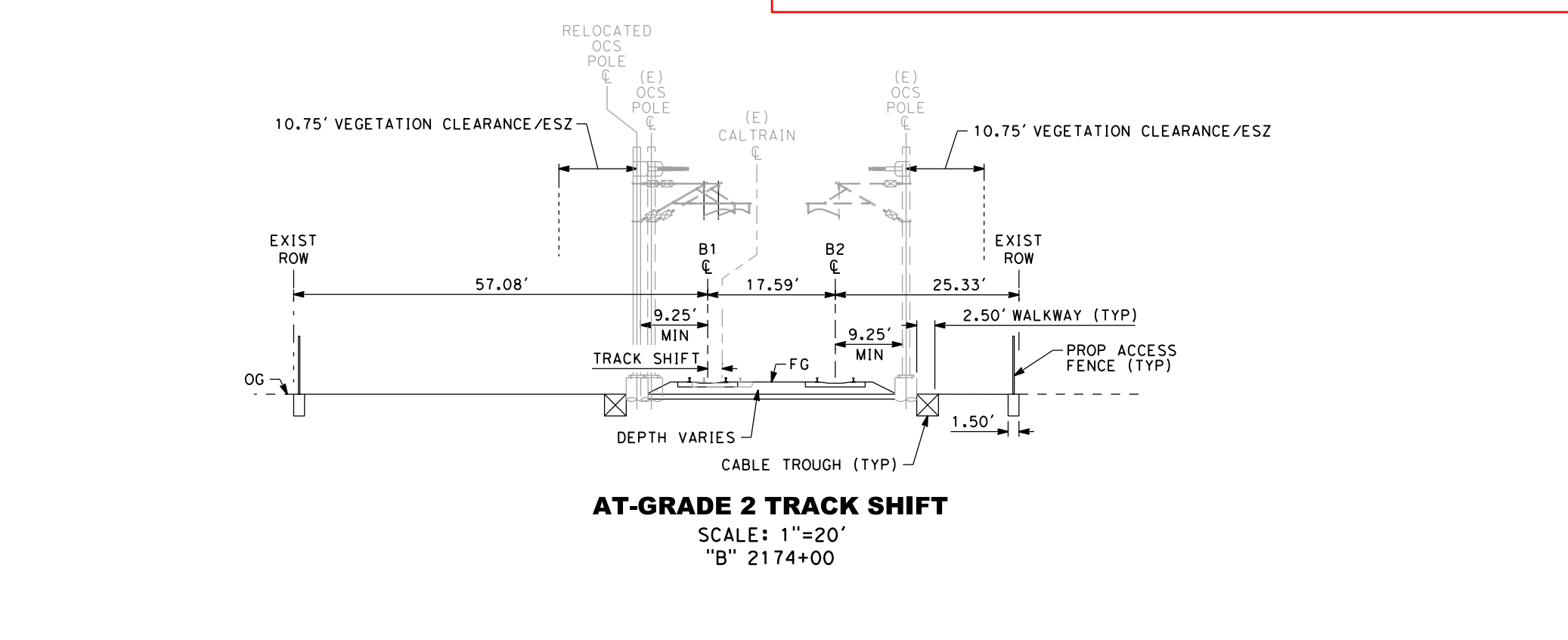
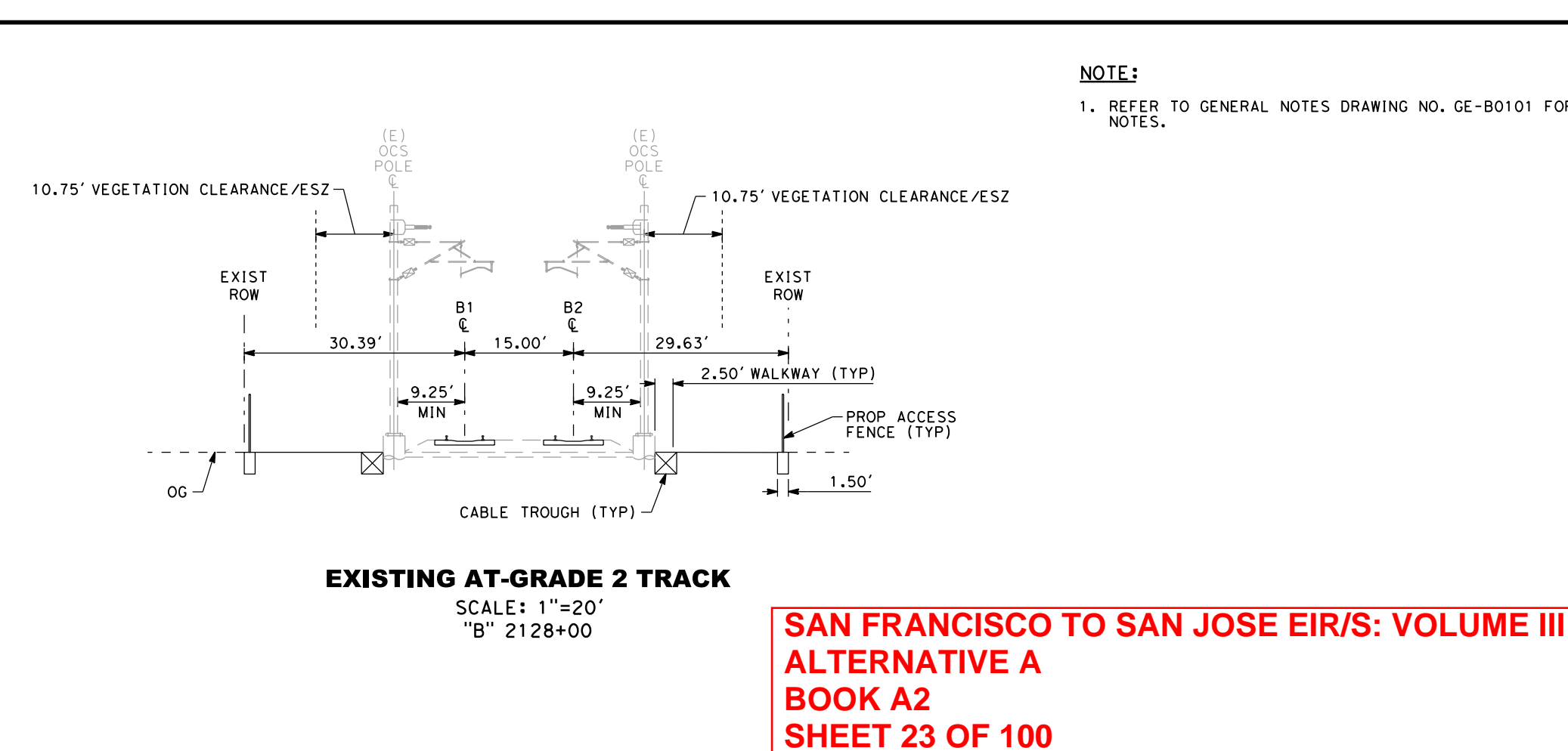
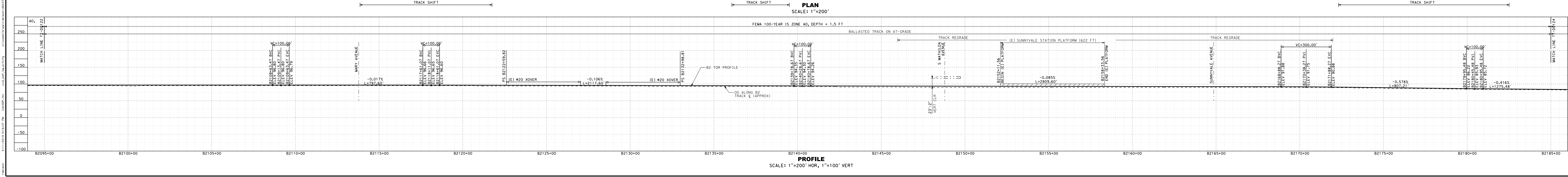
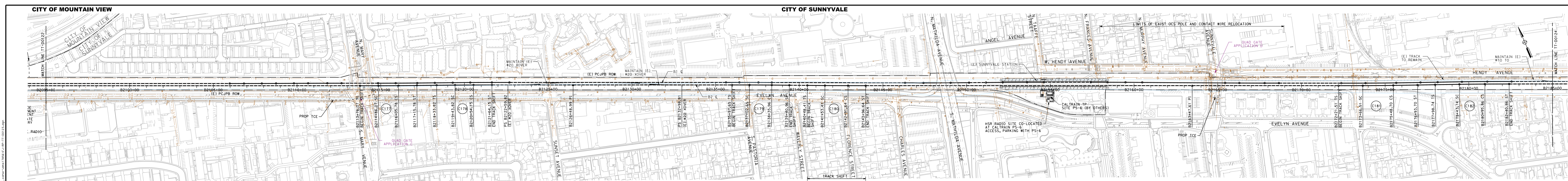
BOOK A2

SHEET 22 OF 100



NOTE:

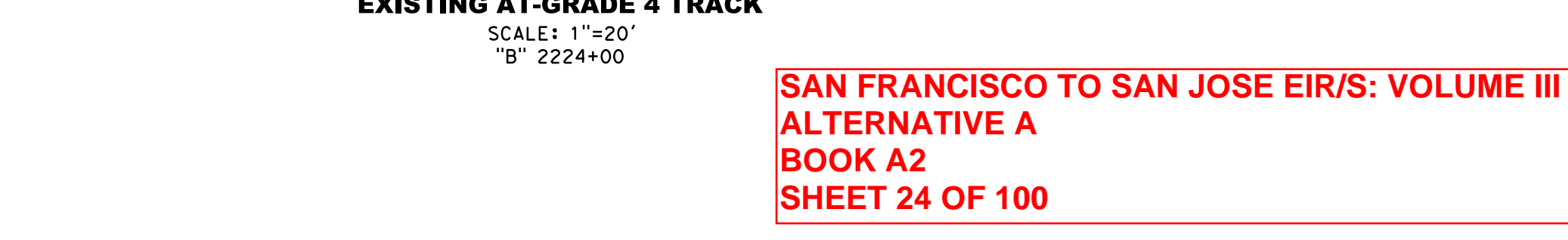
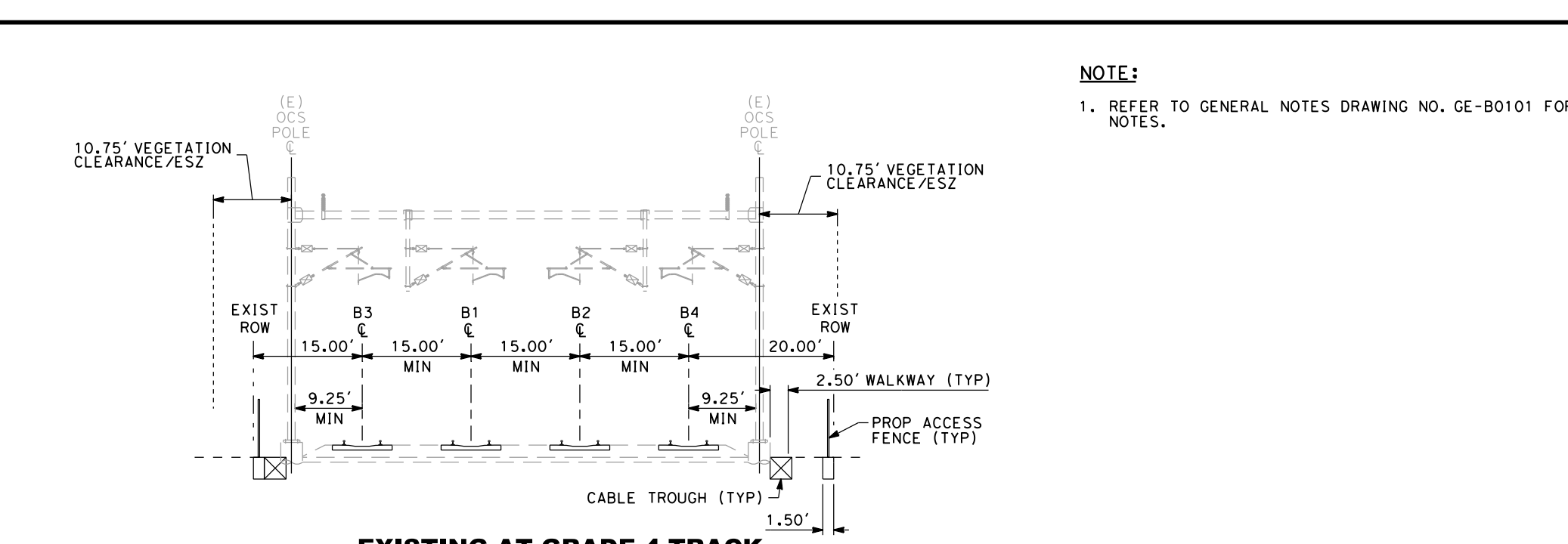
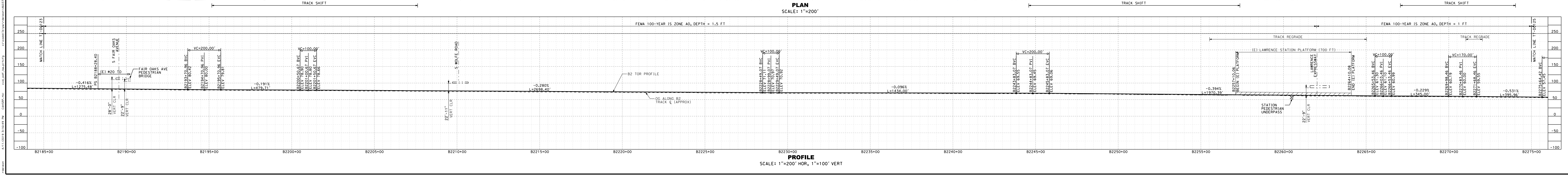
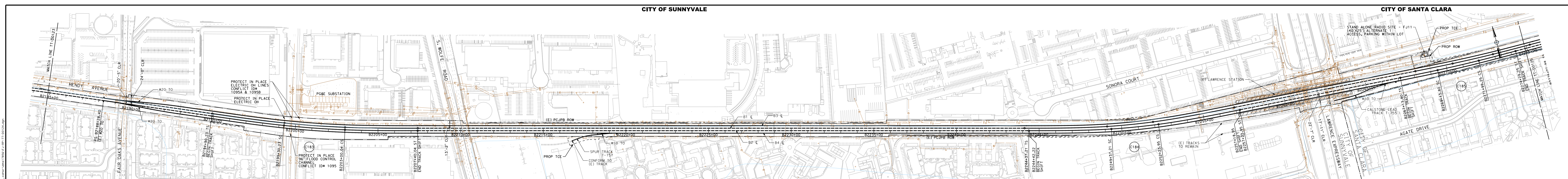
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.



NOTE:
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 23 OF 100

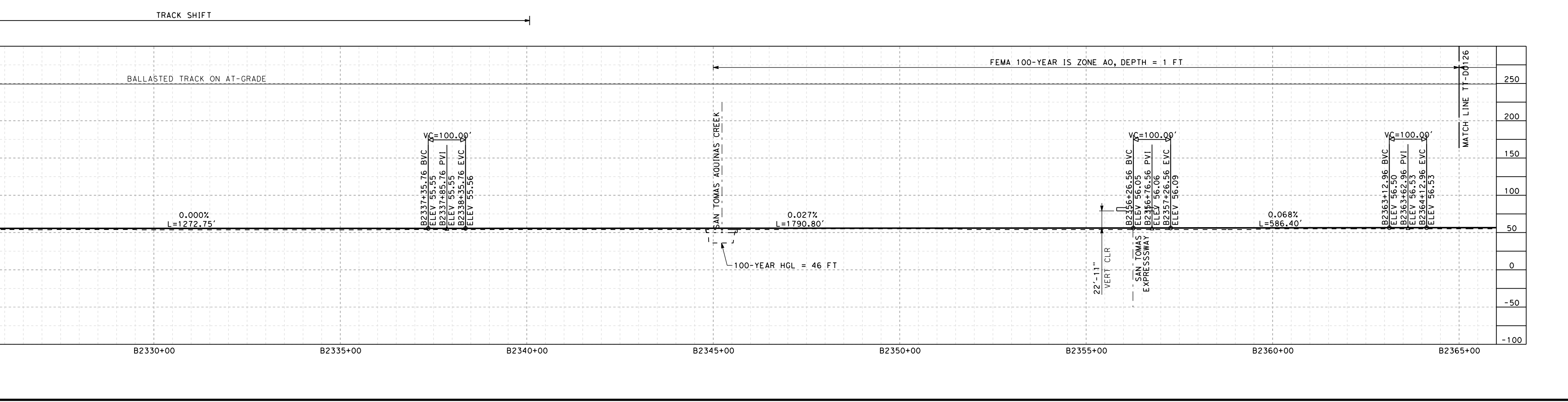
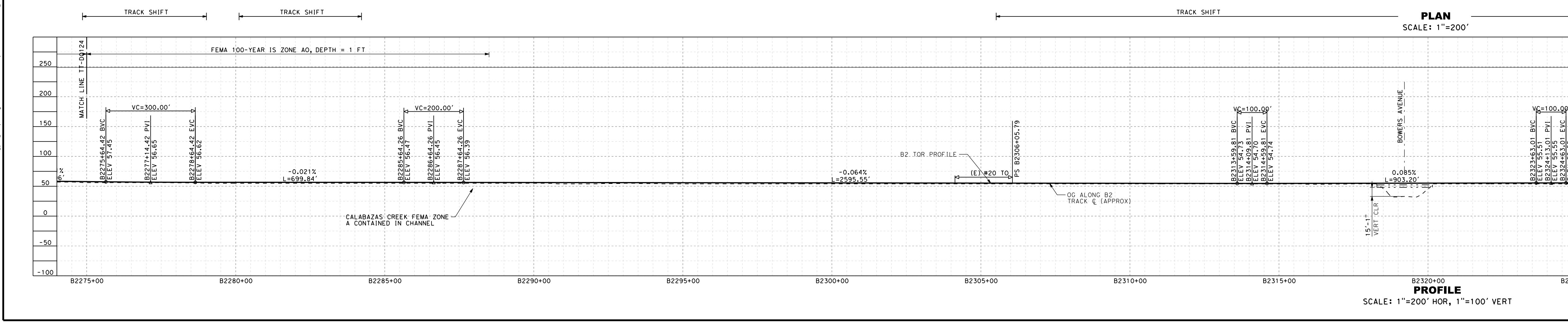
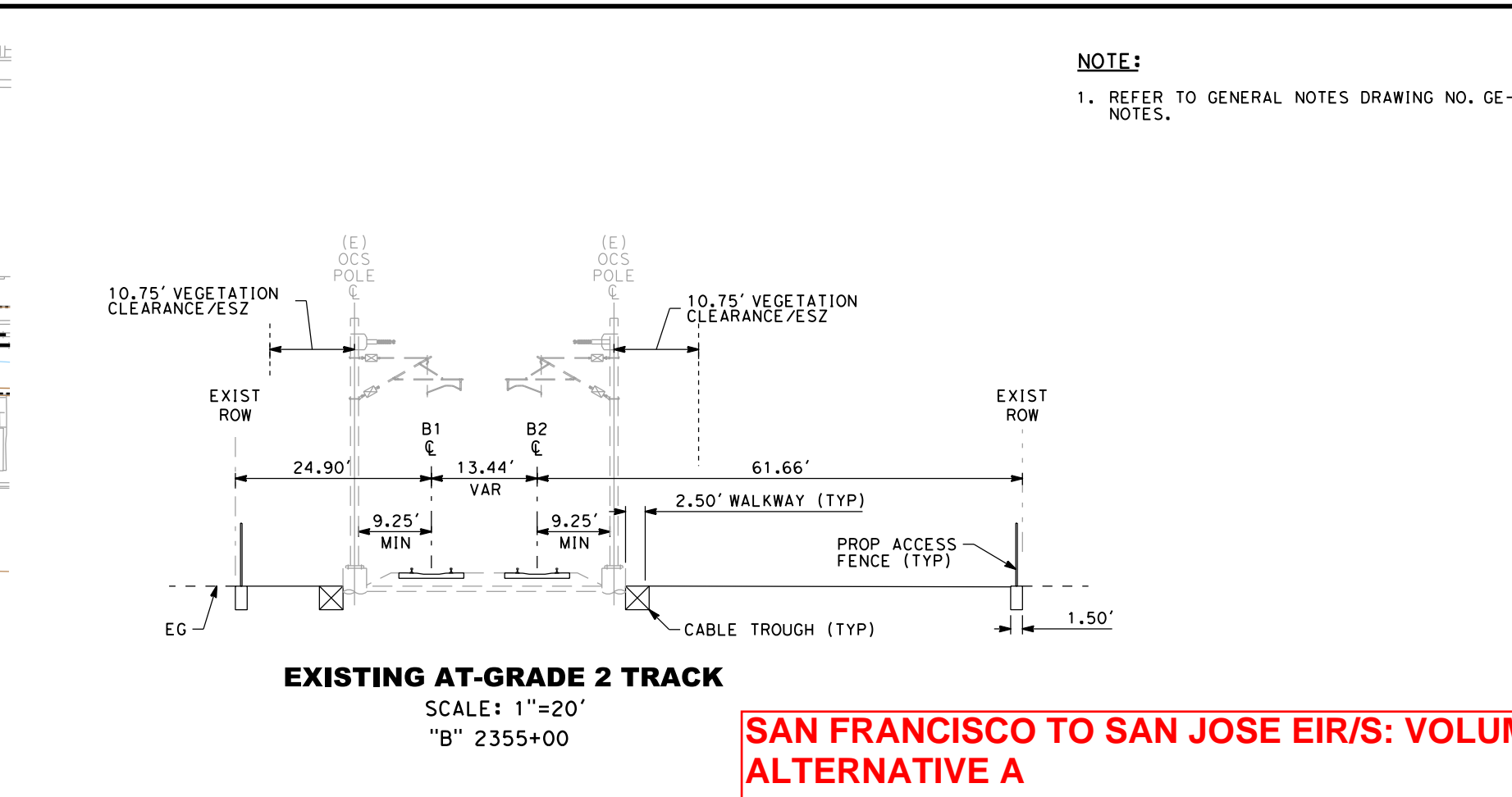
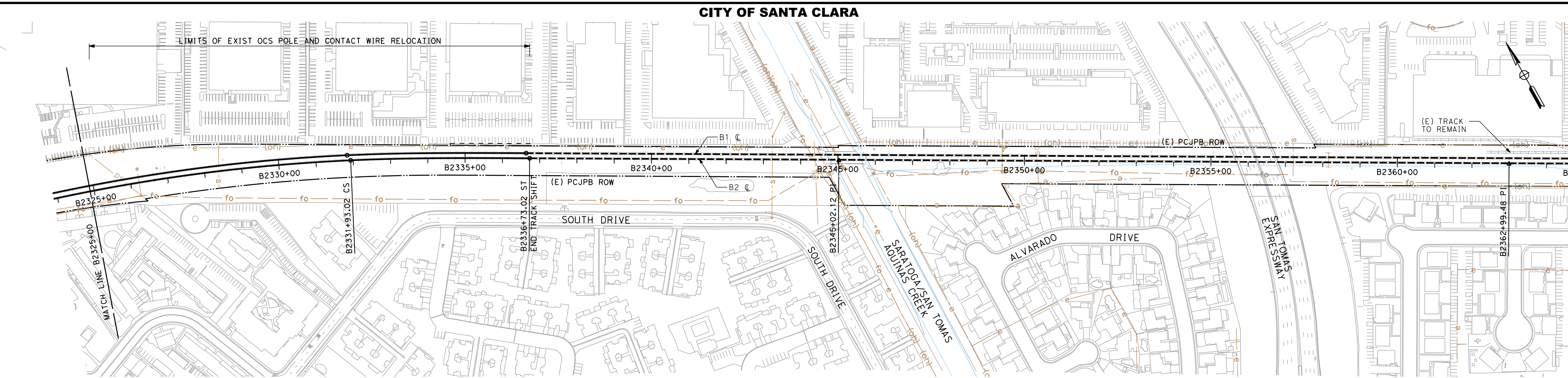
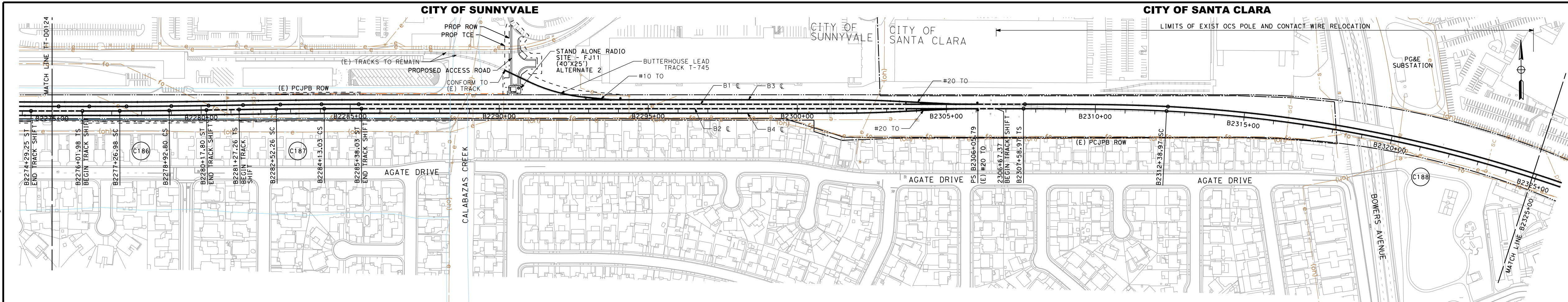
RECORD PERM SUBMITTAL APRIL 11, 2019 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE A COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS B2095+00 TO B2185+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D0123 SCALE AS SHOWN SHEET NO.
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NOTE:
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 24 OF 100**

RECORD PERM SUBMITTAL APRIL 11, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE A COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS B2185+00 TO B2275+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D0124 SCALE: AS SHOWN SHEET NO.
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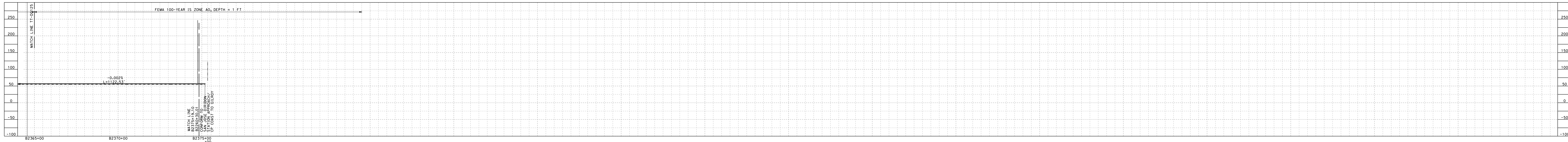
NOTE:
1. REFER TO GENERAL NOTES DRAWING NO. GE-B0101 FOR NOTES.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 25 OF 100

CITY OF SANTA CLARA



PLAN
SCALE: 1"=200'

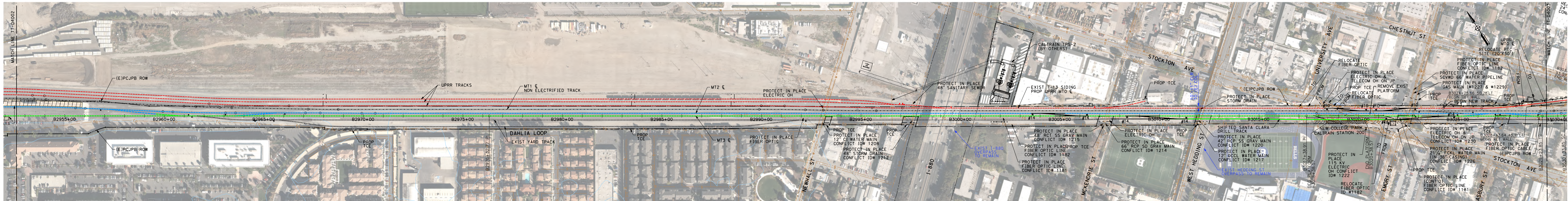


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

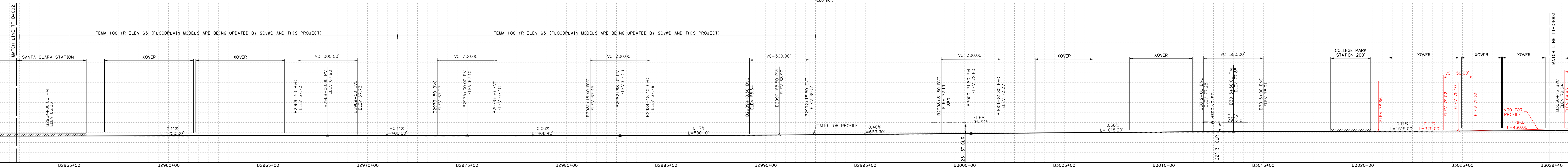
NOTE:
1. REFER TO GENERAL NOTES DRAWING NOS. GE-B0001 AND GE-B0002 FOR NOTES.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 26 OF 100

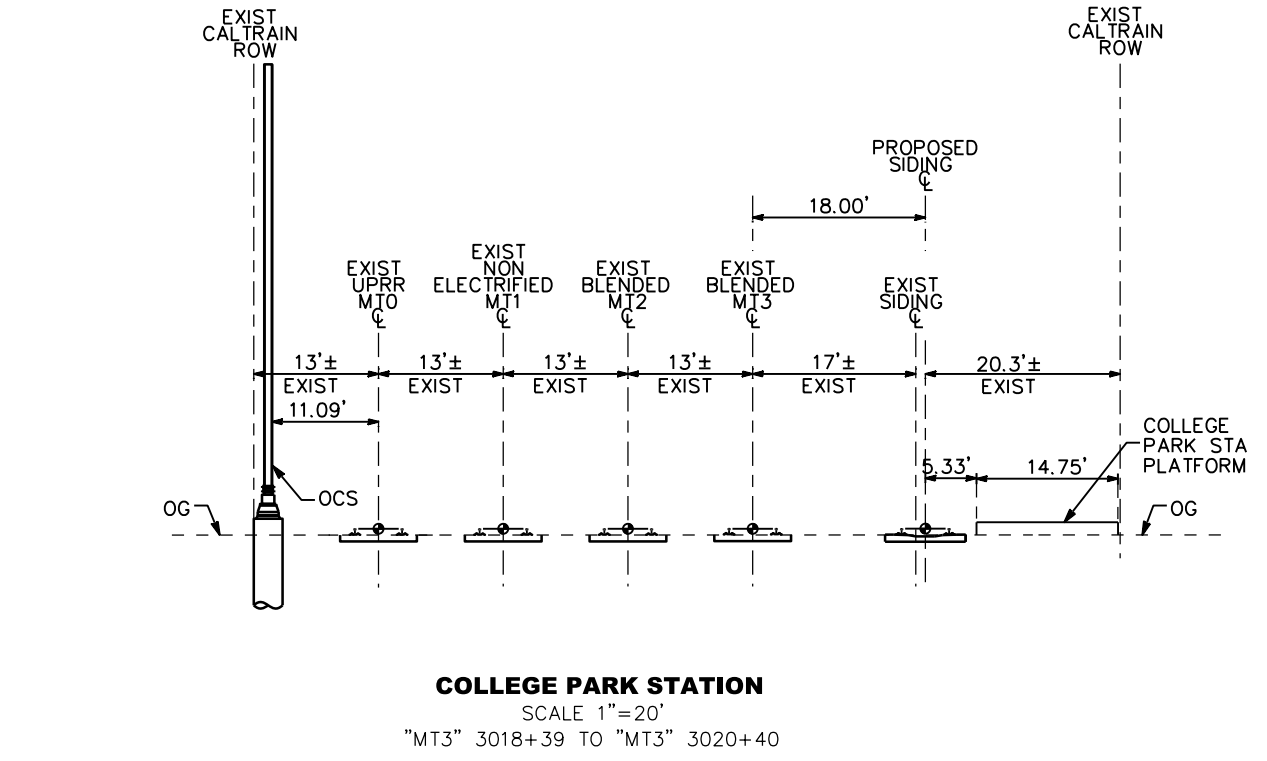
RECORD PERM SUBMITTAL APRIL 11, 2019 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE A COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS B2365+00 TO B2375+00	CONTRACT NO. HSR15-34 DRAWING NO. TT-D0126 SCALE AS SHOWN SHEET NO.
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PLAN SCALE: 1"=200'



PROFILE SCALE: 1"=200' HOR, 1"=100' VERT



COLLEGE PARK STATION SCALE 1"=20'

- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.
 - FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT.
 - OCS POLES WILL BE INSTALLED AS PART OF THE PCJPB ELECTRIFICATION PROJECT AND IS ASSUMED TO BE AN EXISTING CONDITION, WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE ASSUMED.
 - EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
 - WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN AS "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
 - ALL TRACK PROFILES MATCH THE MAINLINE PROFILE, EXCEPT WHERE OTHERWISE SHOWN.
 - TRACK PROFILE FOR EXISTING ALIGNMENT IS MATHEMATIZED TO SHOW COMPATIBILITY WITH SPECIAL TRACKWORK. THE LIMITS OF THE EXISTING TRACK PROFILES ARE SHOWN IN NOTE 8. THE REMAINING TRACK PROFILE SEGMENTS ARE REGRADED.
 - THE LIMITS OF EXISTING TRACK PROFILES INCLUDE:
 MT0 - B2952+50 TO B3020+50
 MT1 - B2952+50 TO B3029+40
 MT2 - B2952+50 TO B3029+40
 MT3 - B2952+50 TO B3029+40

SAN FRANCISCO RECORD PEPD SUBMITTAL BOOK 1 SHEET 20 OF 100

MAY 3, 2019

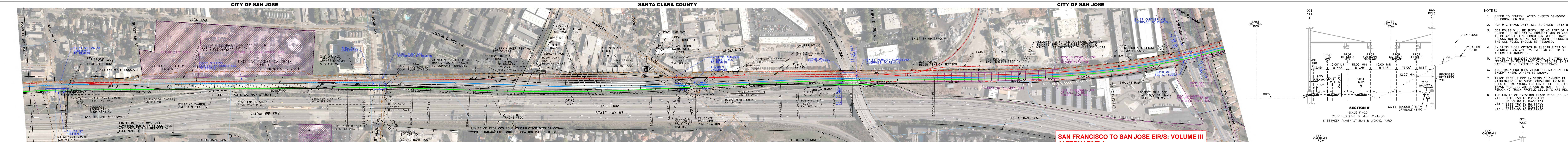
RECORD PEPD SUBMITTAL
 APRIL 11, 2019
 NOT FOR CONSTRUCTION

HNTB
 1111 Broadway
 9th Floor
 Oakland, CA 94607

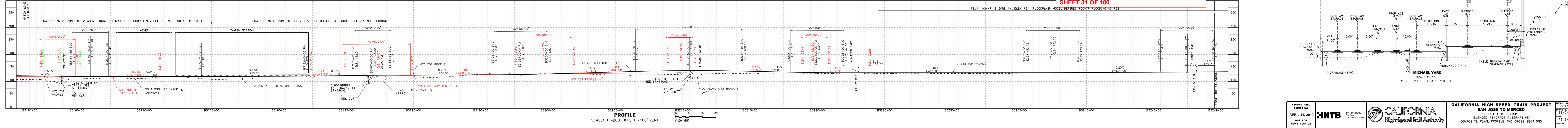
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
 CP COAST TO GILROY
 BLENDED AT-GRADE ALTERNATIVE
 COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

CONTRACT NO. HSR15-34
 DRAWING NO. TT-D4002
 SCALE AS SHOWN
 SHEET NO.

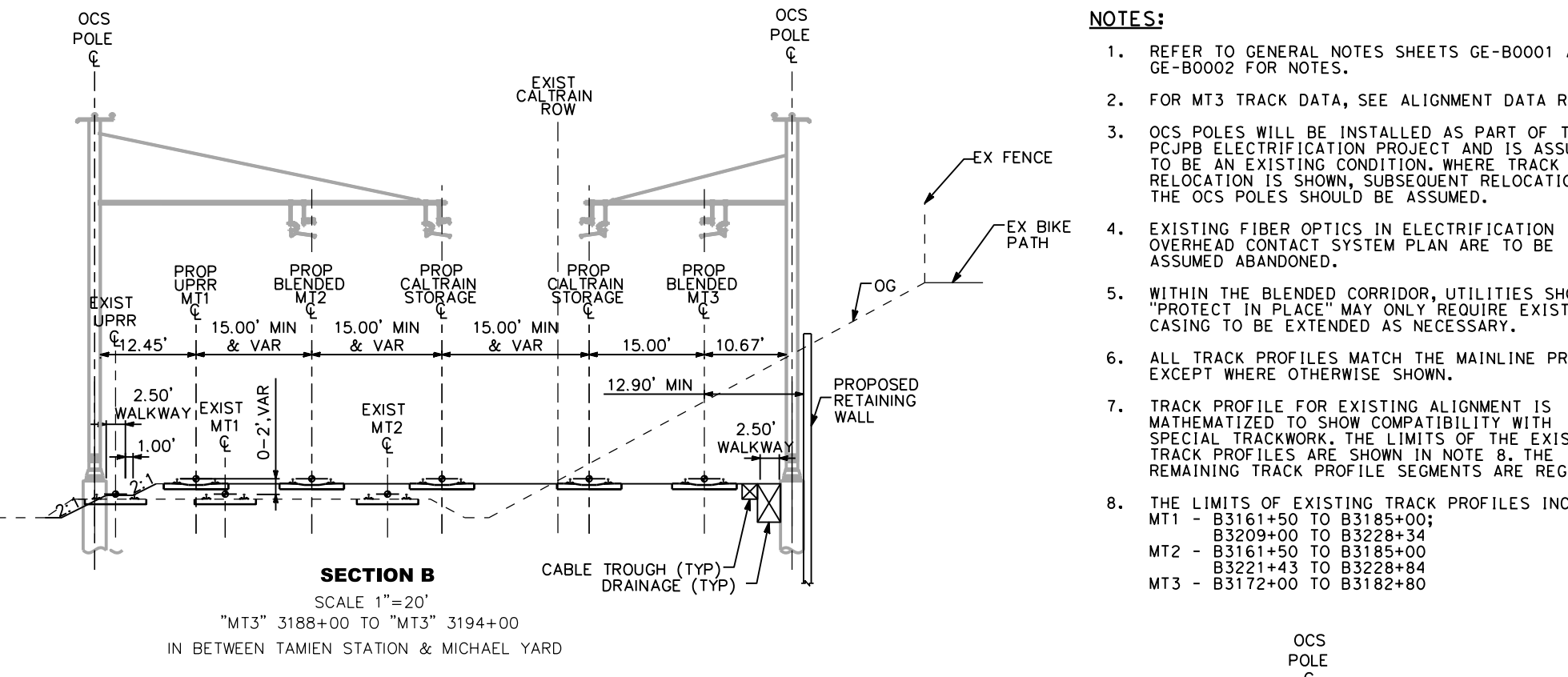


PLAN
SCALE: 1"=200'

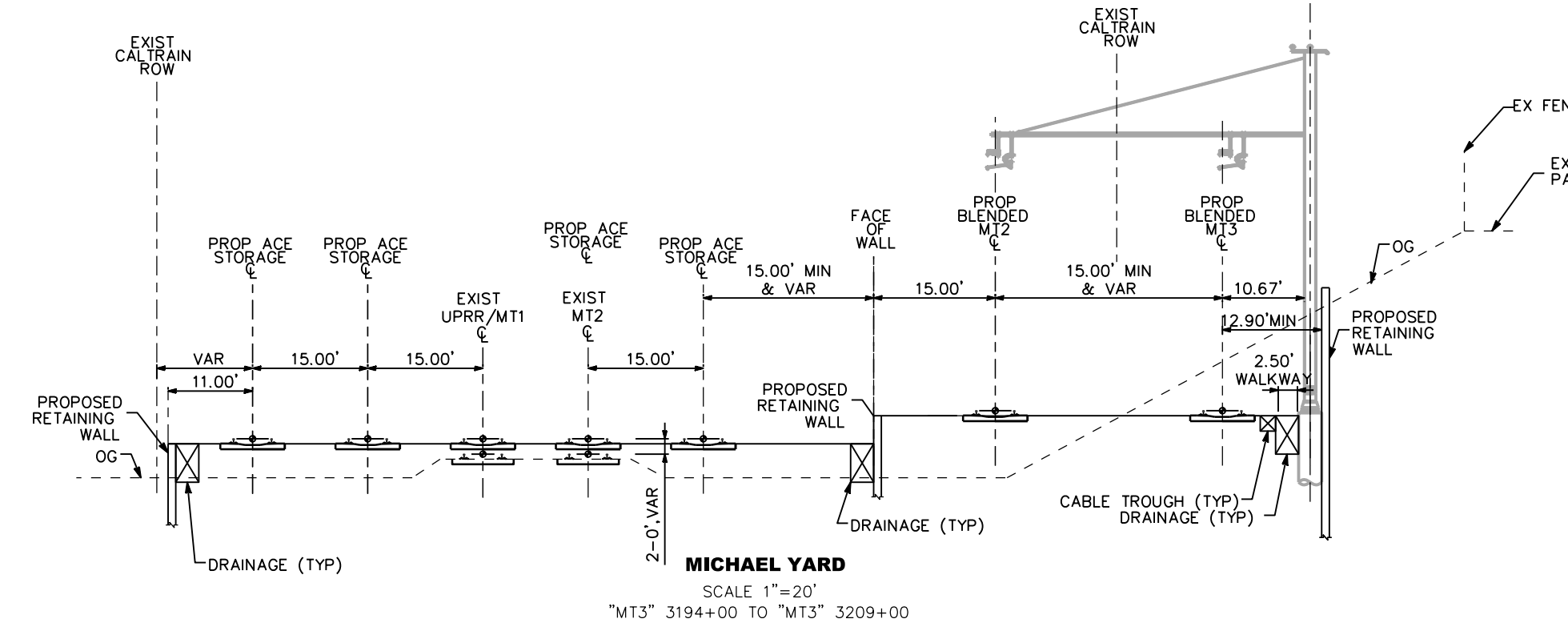


PROFILE
SCALE: 1"=200' HOR, 1"=100' VERT

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE A
BOOK A2
SHEET 31 OF 100**



SECTION B
SCALE 1"=20'
"MT3" 3188+00 TO "MT3" 3194+00
IN BETWEEN TAMEN STATION & MICHAEL YARD



MICHAEL YARD
SCALE 1"=20'
"MT3" 3194+00 TO "MT3" 3209+00

- NOTES:**
- REFER TO GENERAL NOTES SHEETS GE-80001 AND GE-80002 FOR NOTES.
 - FOR MT3 TRACK DATA, SEE ALIGNMENT DATA REPORT.
 - OCS POLES WILL BE INSTALLED AS PART OF THE PCJPB ELECTRIFICATION PROJECT AND IS ASSUMED TO BE AN EXISTING CONDITION, WHERE TRACK RELOCATION IS SHOWN, SUBSEQUENT RELOCATION OF THE OCS POLES SHOULD BE ASSUMED.
 - EXISTING FIBER OPTICS IN ELECTRIFICATION OVERHEAD CONTACT SYSTEM PLAN ARE TO BE ASSUMED ABANDONED.
 - WITHIN THE BLENDED CORRIDOR, UTILITIES SHOWN AS "PROTECT IN PLACE" MAY ONLY REQUIRE EXISTING CASING TO BE EXTENDED AS NECESSARY.
 - ALL TRACK PROFILES MATCH THE MAINLINE PROFILE, EXCEPT WHERE OTHERWISE SHOWN.
 - TRACK PROFILE FOR EXISTING ALIGNMENT IS MATHEMATIZED TO SHOW COMPATIBILITY WITH SPECIAL TRACKWORK. THE LIMITS OF THE EXISTING TRACK PROFILES ARE SHOWN IN NOTE 8. THE REMAINING TRACK PROFILE SEGMENTS ARE REGRADED.
 - THE LIMITS OF EXISTING TRACK PROFILES INCLUDE:
MT1 - B3161+50 TO B3185+00;
MT2 - B3161+50 TO B3185+00
MT3 - B3172+43 TO B3228+84
MT3 - B3172+43 TO B3182+80

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<p>RECORD PREP SUBMITTAL</p> <p>APRIL 11, 2019</p> <p>NOT FOR CONSTRUCTION</p>	<p>HNTB</p> <p>1111 Broadway 9th Floor Oakland, CA 94607</p>	<p>CALIFORNIA High-Speed Rail Authority</p>	<p>CALIFORNIA HIGH-SPEED TRAIN PROJECT</p> <p>SAN JOSE TO MERCED</p> <p>BLENDED AT-GRADE ALTERNATIVE</p> <p>COMPOSITE PLAN, PROFILE AND CROSS SECTIONS</p>	<p>CONTRACT NO. HSR15-34</p> <p>GRADING NO. TT-D4005</p> <p>SCALE AS SHOWN</p> <p>SHEET NO.</p>
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